

CLAIMS

1. Circuitry for providing data security, which circuitry contains at least one processor and at least one storage circuit and which circuitry comprises:

at least one storage area in said storage circuit, in which storage area protected data relating to circuitry security are located;

10 mode setting means arranged to set said processor in one of at least two different operating modes, the mode setting means being capable of altering the processor operating mode;

15 storage circuit access control means arranged to enable said processor to access said storage area in which said protected data are located when a first processor operating mode is set; and

20 storage circuit access control means arranged to prevent said processor from accessing said storage area in which protected data are located when a second processor operating mode is set, thereby enabling said at least one processor to execute non-verified software downloaded into the circuitry.

2. The circuitry for providing data security according to claim 1, further comprising:

25 a timer arranged to control a time period during which the processor is in said second operating mode.

3. The circuitry for providing data security according to claim 1, further comprising:

30 authentication means arranged to authenticate software provided to the circuitry.

4. The circuitry for providing data security according to claim 1, further comprising:

means arranged to indicate in which mode the processor is operating.

5

5. The circuitry for providing data security according to claim 1, wherein said mode setting means comprise an application program.

6. The circuitry for providing data security according to claim 1, which circuitry is comprised in a mobile telecommunication terminal.

7. A method for providing data security in circuitry containing at least one processor and at least one storage circuit, which method comprises the steps of:

15 storing protected data relating to circuitry security in said storage circuit;

setting said processor in one of at least two different alterable operating modes;

20 enabling said processor to access said storage area in which said protected data are located when a first processor operating mode is set; and

25 preventing said processor from accessing said storage area in which protected data are located when a second processor operating mode is set, thereby enabling said at least one processor to execute non-verified software downloaded into the circuitry.

8. The method for providing data security according to claim 7, further comprising the step of:

30 controlling a time period during which the processor is in said second operating mode by means of a timer.

9. The method for providing data security according to claim 7, further comprising the step of:
authenticating software provided to the circuitry.

10. The method for providing data security according
5 to claim 7, further comprising the step of:
indicating in which mode the processor *is*
operating.

11. The method for providing data security according to claim 7, wherein the setting of said
10 processor in one of at least two different alterable operating modes is performed by means of an application program.

12. The method for providing data security according to claim 7, wherein the circuitry containing at least
15 one processor and at least one storage circuit is comprised in a mobile telecommunication terminal.